

ABSTRACT

Electroluminescent panels for use in battery operated devices comprise a driver circuit and a plurality of panel regions having a capacitance. Each panel region has a substitute capacitor with a capacitance substantially equal to the capacitance of the panel region concerned. The driver circuit switches between the panel region and the substitute capacitor, switching the panel region on and off. The capacitance of the load on the driver circuit does not change. The electroluminescent panels can have an elimination layer that eliminates noise produced by the emission layer in operation caused by changes in emission layer thickness. The elimination layer is added to the panel and operated in phase opposition to the emission layer. Changes in layer thickness occurring in operation in the emission layer are offset by changes in thickness in the elimination layer. Thus, the overall thickness of the panel is constant.